

Abstract of the Invention

A method and apparatus for genomic or proteomic research to visualize fluorescent labeled DNA, RNA or protein samples that have been separated for documentation and analysis. The apparatus includes a novel radiation source for uniformly irradiating the samples which comprises a grid constructed from a continuous, serpentine shaped ultraviolet light producing tube that is strategically formed to provide a multiplicity of side-by-side, immediately adjacent irradiating segments. In one form of the invention the apparatus also includes a first conversion plate that is carried by the housing at a location intermediate the radiation source and the sample supporting platform for converting the radiation emitted from the source to radiation at a second wavelength.